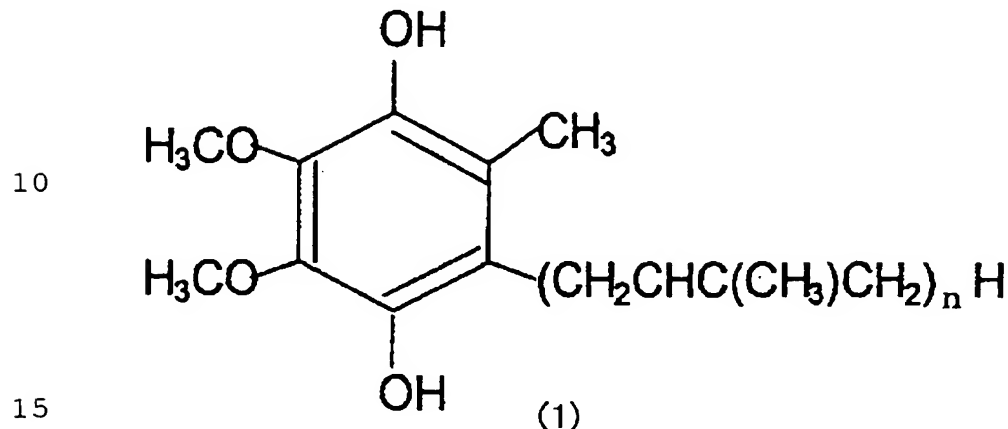


CLAIMS

1. A composition containing a cyclodextrin, a polar solvent and a reduced coenzyme Q represented by the general formula (1);



(in the formula, n is an integer of 1 to 12);

wherein the reduced coenzyme Q is solubilized in said composition.

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2. The composition according to Claim 1

wherein a proportion of the reduced coenzyme Q to the sum of an oxidized coenzyme Q and the reduced coenzyme Q is not smaller than 50% by weight.

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3. The composition according to Claim 1
which is used for oral administration.

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4. The composition according to Claim 1

wherein the reduced coenzyme Q is reduced coenzyme Q₁₀.

5. The composition according to Claim 1

wherein the cyclodextrin is at least one species selected from α-cyclodextrin and γ-cyclodextrin.

35

6. The composition according to Claim 1
wherein the polar solvent is water or a mixed
solution of water and an alcohol.

5

7. The composition according to Claim 1
wherein a proportion of the cyclodextrin contained is
0.1 to 100 mole, per 1 mole of the reduced coenzyme Q.

10

8. The composition according to Claim 1
which further contains an antioxidant.

9. The solubilized composition according to Claim 1
wherein an antioxidant is at least one species
15 selected from citric acid, citric acid derivatives, vitamin
C, vitamin C derivatives, vitamin E, vitamin E derivatives,
glutathione, reduced glutathione, sodium thiosulfate, L-
cysteine, L-carnitine, lycopene, riboflavin, curcuminoids
and superoxide dismutase (SOD).

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10. The solubilized composition according to Claim 1
which contains at least one or more species selected
from medicinal ingredients, functional food components,
supplement components and food components.

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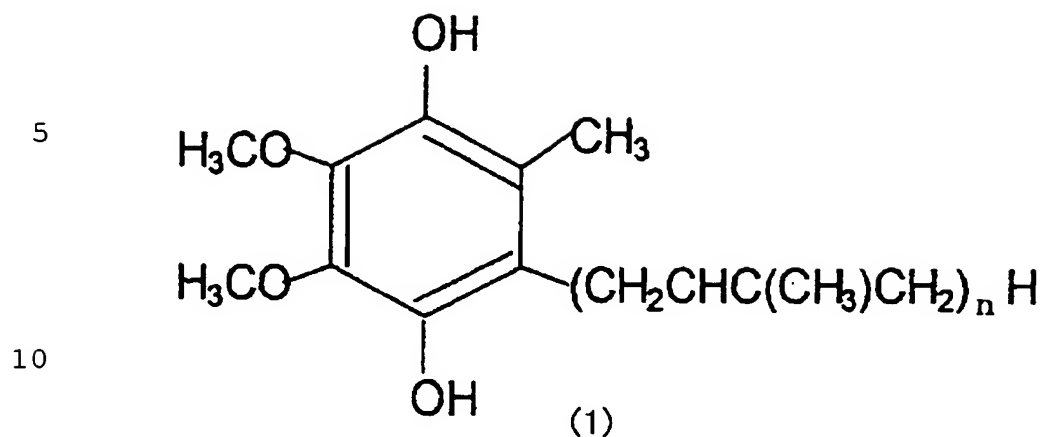
11. A food, functional food, drug or quasidrug for
administration to humans or animals
which contains the composition according to Claim 1.

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12. A powdery solubilized composition
which can be obtained by subjecting the composition
according to Claim 1 to spray drying.

13. A composition containing a cyclodextrin, a polar
35 solvent and a reduced coenzyme Q represented by the general

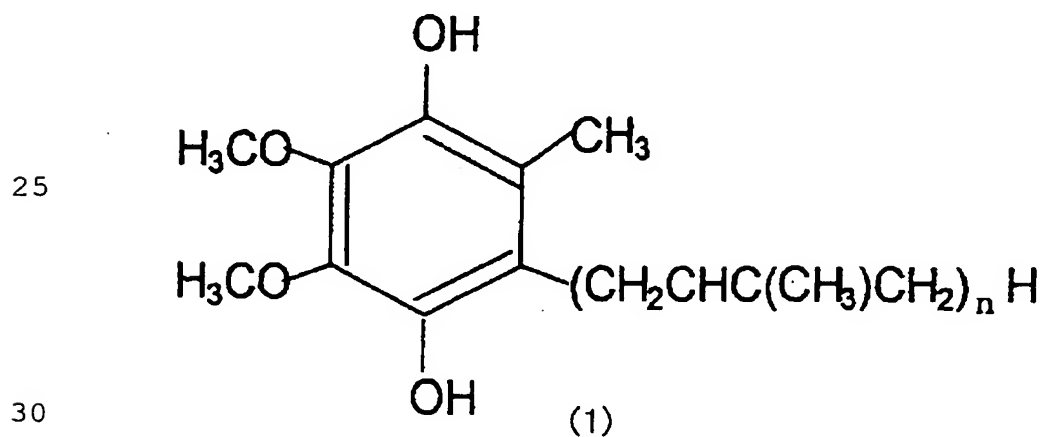
formula (1);



(in the formula, n is an integer of 1 to 12);

15 wherein the reduced coenzyme Q is solubilized in said composition, which composition can be obtained by mixing the polar solvent, the cyclodextrin and the reduced coenzyme Q.

20 14. A method for solubilizing a reduced coenzyme Q represented by the general formula (1);

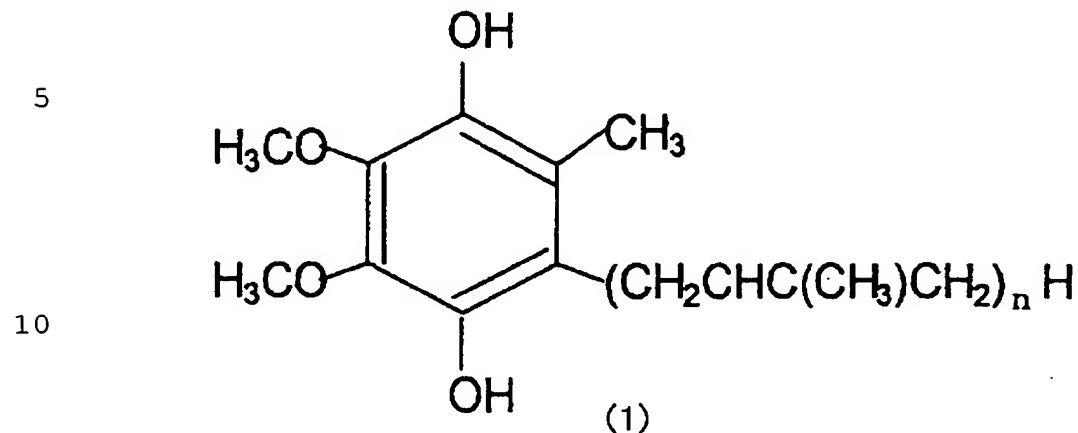


(in the formula, n is an integer of 1 to 12);

35 which comprises mixing a cyclodextrin, a polar solvent and the reduced coenzyme Q.

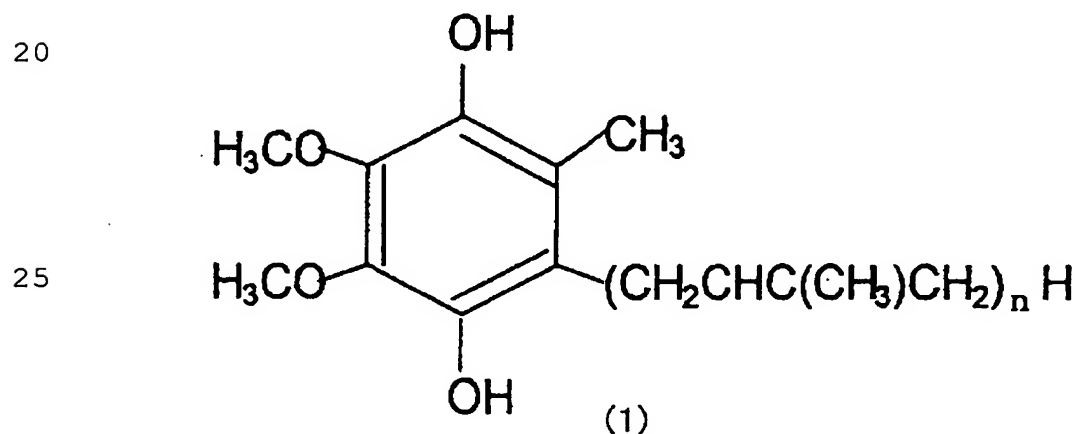
15. The method according to Claim 14
wherein a proportion of the reduced coenzyme Q to the
sum of an oxidized coenzyme Q and the reduced coenzyme Q is
not smaller than 50% by weight.
- 5
16. The method according to Claim 14
wherein the reduced coenzyme Q is reduced coenzyme
Q₁₀.
- 10
17. The method according to Claim 14
wherein the cyclodextrin is at least one species
selected from α -cyclodextrin and γ -cyclodextrin.
- 15
18. The method according to Claim 14
which comprises dissolving the cyclodextrin in the
polar solvent, and then mixing the reduced coenzyme Q with
the obtained solution.
- 20
19. The method according to Claim 14
wherein the polar solvent is water or a mixed
solution of water and an alcohol.
- 25
20. The method according to Claim 14
wherein a proportion of the cyclodextrin contained is
0.1 to 100 mole, per 1 mole of the reduced coenzyme Q.
- 30
21. The method according to Claim 14
wherein an antioxidant is at least one species
selected from citric acid, citric acid derivatives, vitamin
C, vitamin C derivatives, vitamin E, vitamin E derivatives,
glutathione, reduced glutathione, sodium thiosulfate, L-
cysteine, L-carnitine, lycopene, riboflavin, curcuminoids
and superoxide dismutase (SOD).
- 35
22. A method for producing a composition containing a

cyclodextrin, a polar solvent and a reduced coenzyme Q represented by the general formula (1);



15 which comprises mixing the cyclodextrin, the polar solvent and the reduced coenzyme Q.

23. A method for inhibiting the oxidation of a reduced coenzyme Q represented by the general formula (1);



30 (in the formula, n is an integer of 1 to 12);

which comprises mixing a cyclodextrin, a polar solvent and the reduced coenzyme Q.